

Unconfirmed Meeting Minutes: Meeting of the IEEE P802.3de Enhancements to MAC
Merge and TSSI for Point-to-Point 10 Mb/s SPE Task Force

Tuesday October 26, 2021
Electronic Task Force meeting

Prepared by George Zimmerman

IEEE P802.3de Enhancements to MAC Merge and TSSI for Point-to-Point 10 Mb/s SPE Task Force meeting convened at 9:05AM PDT, Tuesday, October 26, 2021 by George Zimmerman, Chair of the Task Force

The meeting was held electronically via WebEx.

Attendance is listed in Appendix A

Administrative Matters

The Chair called the meeting to order at 9:05 AM PT

The Chair asked if there were any volunteers to be recording secretary for the meeting. Seeing none, he asked if there was any objection to him serving as recording secretary in addition to chairing the meeting. There was none.

Mr. Zimmerman displayed the agenda in

https://www.ieee802.org/3/de/public/agenda_3de_01_20211026.pdf

All presentations referenced in these minutes are located on the [Task Force Meeting Materials](#) site.

This being a teleconference meeting, the Chair asked that participants introduce themselves when speaking, in lieu of a formal roll call. There was no objection.

Agenda approved at 9:07am PDT by unanimous consent

The Chair asked if everyone who wished to had a chance to review the minutes from the 12 October meeting, any changes requested. There were none.

Meeting minutes from 12 October 2021 approved at 9:08 am PDT by unanimous consent.

Members of the Press At 9:09am PDT the chair asked for any press members to identify themselves. None heard.

The chair resumed with the agenda deck.

Mr. Zimmerman resumed review of the agenda deck, including the following items – a review of the participation policy, a review of the IEEE copyright policy, a review of the IEEE policy on dominance, and a review of the IEEE Standards process. There were no questions

Attendance, Mr. Zimmerman advised the group that the attendance would be taken from Webex.

IEEE Patent Policy, Mr. Zimmerman read aloud the patent slides at **9:12 AM PDT**. The call for patents was made and **none** responded. The slides on SA Copyright Policy as well as Code of Ethics and Conduct were shown and presented at 9:**15AM PDT**.

Presentations and Discussion:

At 9:18 AM PDT the Chair moved on to the presentations.

Presentations: -

The Chair noted that no comments were received on D1.0, and asked if the group whether they felt more time was necessary for review, or whether the draft was ready for presubmission for working group ballot.

Mr. Thompson reminded the Chair of a late comment, and the Chair asked the group to consider Mr. Thompson's late comment, captured below:

Technical

Clause 90.1

Page 15, Line 8

Comment/Rationale

There is no technical reason to restrict adding TSSI to only the Clause 147 P2P half-duplex PHY. Artificial restrictions are a bad idea. The rationale presented for this restriction has to do with the capabilities of the xMII versus the AUI. The AUI doesn't pass management information. That is not

relevant in the current market nor the market for many years as while 10 Mb/s PHY are not obsolete,

the AUI is. All current instances of 10 Mb/s PHYs are integrated with the MAC or use a proprietary

interface between the MAC and PHY which, if need be, is fully capable of passing management information.

Change:

The TSSI is defined for the full-duplex mode of operation, as well as **Clause 147** PHYs in point-to-point half-duplex Mode only. It supports MAC operation at various data rates. The MII (**Clause 22**), GMII (), XGMII (**Clause 46**), 25GMII (**Clause 106**), XLGMII (**Clause 81**), CGMII (**Clause 81**), 200GMII (**Clause 117**), and 400GMII (**Clause 117**) specifications are all compatible with the gRS sublayer defined in **90.5**.

To:

The TSSI is defined for the full-duplex mode of operation, as well as 10 Mb/s PHYs in half-duplex mode provided that such PHYs do not utilize the optional AUI. It supports MAC operation at various data rates. The MII (**Clause**

22), GMII (), XGMII (Clause 46), 25GMII (Clause 106), XLGMII (Clause 81), CGMII (Clause 81), 200GMII (Clause 117), and 400GMII (Clause 117) specifications are all compatible with the gRS sublayer defined in 90.5.

The Chair noted, and Mr. Thompson concurred that the scope of the IEEE P802.3de PAR was limited to 10 Mb/s Single Pair Ethernet, and that this comment would reach beyond that scope.

The commenter may wish to pursue other avenues, including possibly a new call for interest or a comment on the SA ballot for the 802.3 revision, to pursue the change suggested in the comment.

The Chair then moved to the subject of progress to working group ballot, and conducted the following straw poll:

Straw Poll

- Straw Poll #1:

I support presubmitting D1.0 to IEEE 802.3 for initial Working Group ballot

Y: 9

N: 0

A: 0

(9 individuals other than the Chair on the call at the time the straw poll was done)

The agenda deck was updated to an 01a version with the results of the straw poll.

Based on this, the Chair will presubmit D1.0 for working group preview, with the expectation that initial Working Group ballot will be requested at the November plenary.

Discussion of Timeline and next steps

Discussion returned to the agenda deck for a discussion of the timeline and the need for an additional cycle of Task Force review. The Chair asked the group whether anyone felt a need for an additional Task Force Review. Participants voiced that review was sufficient for the short draft, and no one requested additional review.

Next meeting (Cancelled)

The group then discussed whether the planned meeting on November 9 was necessary. Since no additional Task Force review was opened, and a motion could be made from the floor of 802.3 to open the initial working group ballot, group agreed that the November 9 meeting be cancelled.

Mr. Jones and Mr. Thompson agreed to make a motion to progress the draft from the floor of 802.3, and the Chair would include it in his Task Force Report.

The chair called for any other topics to discuss, none heard.

Having exhausted the agenda, the meeting was adjourned at 9:46 AM PDT.

Appendix A: Attendees at IEEE P802.3de Enhancements to MAC Merge and TSSI for Point-to-Point 10 Mb/s SPE Task Force

First Name	Last Name	Affiliation	Webex
Tim	Baggett	Microchip	X
David	Brandt	Rockwell Automation	X
Steven	Carlson	High Speed Design/Bosch, Ethernovia	X
Clark	Carty	Cisco	X
Steffen	Graber	Pepperl+Fuchs	X
Woojung	Huh	Microchip	X
Gergely	Huszk	Kone	X
Peter	Jones	Cisco	X
Martin	Ostertag	ZHAW	X
Geoff	Thompson	GraCaSI S.A. / Independent	X
George	Zimmerman	CME Consulting/ADI, APL Group, Cisco, CommScope, Marvell, SenTekSe	X